

Title (en)

COMPACT SYSTEM FOR ACTIVE CO-BORESIGHT MEASUREMENT IN A LASER COMMUNICATION SYSTEM

Title (de)

KOMPAKTES SYSTEM ZUR AKTIVEN CO-PEILRICHTUNGSMESSUNG IN EINEM LASERKOMMUNIKATIONSSYSTEM

Title (fr)

SYSTÈME COMPACT DE MESURE DE CO-VISÉE ACTIVE DANS UN SYSTÈME DE COMMUNICATION LASER

Publication

EP 3457593 A1 20190320 (EN)

Application

EP 18161750 A 20180314

Priority

- US 201715704614 A 20170914
- US 2017055163 W 20171004

Abstract (en)

A compact system for active co-boresight measurement includes a detector, a steering mirror, and a controller. The detector detects a portion of a transmission beam emitted by a transceiver and a portion of a received beam that is received from a remote terminal. The controller measures an offset between the detected portion of the received beam and the detected portion of the transmission beam. The controller controls a position of the steering mirror to align the portion of the received beam with a defined position on the detector, the defined position based in part on the offset.

IPC 8 full level

H04B 10/112 (2013.01); **G01J 1/02** (2006.01); **H04B 10/118** (2013.01)

CPC (source: EP)

H04B 10/112 (2013.01); **H04B 10/1123** (2013.01); **H04B 10/1127** (2013.01); **H04B 10/118** (2013.01)

Citation (search report)

- [X] US 4867560 A 19890919 - KUNITSUGU MICHIMASA [JP]
- [X] US 4635299 A 19870106 - MACGOVERN ALAN J [US]

Cited by

US11711145B2; WO2020193274A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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